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## **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

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Sheet

	Complete If Known	
Application Number	10/017,630	
Filing Date	December 14, 2001	
First Named Inventor	Matz	
Group Art Unit	3629	
Examiner Name	OUELLETTE, Jonathan	
Attorney Docket Number	BS01378	

			U.S. PATENT DOCU	MENIS	T
Examiner Cite		U.S. Palent Document	Name of Patentes or Applicant	Oate of Publication of	Pages, Columns, Lines, Where Relevant
Examiner Cite Initials No.	Number Kind Code <sup>2</sup>	al Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Floures Appear	
		(if known) 677,209	Chernock et al.	06-1901	
ni		3,798,610	Bliss et al.	03-19-1974	
<i>y</i>	<del></del>	3,886,302	Kosco	05-27-1975	
20	ļ		Chomet	12-19-1978	
(NV		4,130,833	Cheung	03-24-1981	
10	<del></del>	4,258,386	Asip et al.	11-30-1982	
<u>(70</u>	<del></del>	4,361,851	Kruger et al.	12-11-1984	
70	<u> </u>	4,488,179	Nickerson et al.	01-21-1986	
70_		4,566,030	Gray et al.	02-28-1986	
Har-		4,567,591	Yarbrough et al.	07-01-1986	
1/2/	ļ	4,598,288	Freeman	07-1986	
	<del> </del>	4,602,279	Tomizawa	08-18-1987	
190		4,688,248	Barbieri et al.	08-25-1987	
		4,689,661	Kiewitt et al.	09-1987	+
(1/20)		4,697,209	Goodman et al.	01-19-1988	· · · · · · · · · · · · · · · · · · ·
		4,720,873	McKenna et al.	03-28-1989	
<u> </u>	ļ	4,816,904	Russell, Jr.	12-2601989	
11/2	<b> </b>	4,890,322	Allison, III. et al.	03-27-1990	
		4,912,552		03-1990	<del></del>
<i>[[]</i>		4,912,552	Allison		
	ļ	5,010,585	Garcia Hallenbeck, Peter d.	04-23-1991 08-1991	<u> </u>
(/4)		5,038,211		09-03-1991	
		5,046,090	Walker et al.	09-03-1991	<del> </del>
My.	_	5,046,092	Walker et al.	10-08-1991	
ستمهي		5,055,924	Skutta		
1/2		5,173,900	Miller et al.	12-22-1992	
<i>[[</i> ]		5,191,645	Carlucci et al.	03-02-1993	
		5,208,665	McCalley et al.	05-04-1993	<u> </u>
<i>[[]</i>		5,247,347	Litteral et al.  VonKohorn	09-21-1993	
M-		5,249,044			
1A1_		5,251,324	McMuflan	10-1993 02-15-1994	<del> </del>
		5,287,181	Holman		
//A/		5,335,277	Harvey et al.  Maeda et al.	08-02-94 08-16-1994	,
		5,339,315	Maeda et az.	08-30-1994	<del> </del>
7///A		5,343,240	Banker et al.	10-18-1994	
<u> </u>	ļ	5,357,276	Welsh	12-20-1994	<del> </del>
		5,374,951	Oberle	02-1995	
1		5,389,964	Remilland	04-04-1994	<del>                                     </del>
194		5,404,393 5,410,344	Graves	04-1995	<del> </del>
199		<del></del>	Blahut et al.	08-29-1995	<del>                                     </del>
120		5,446,490 5,446,919	Wilkins, Jeff K.	08-1995	<del>  </del>
1/201		5,543,911	Levitan	07-1996	<del> </del>
100		5,559,548	Oavis et at.	09-1996	<del> </del>
49	<del> </del>	5,585,838	Lawler et al.	12-17-1996	<del></del>
100		5,585,865	Amano	12-1996	
		5,600,364	Hendricks	02-1997	<del> </del>
W.	1	5,608,448	Smoral et al.	03-04-1997	<del> </del>

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PTO/S8/08A (08-00)

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Application Number	10/017,630	
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First Named Inventor	Matz	
Group Art Unit	3629	
Examiner Name	OUELLETTE, Jonathan	
Attorney Docket Number	BS01378	

		U.S. Patent Document ·	Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant
nitials *	No.1	Number Kind Code <sup>2</sup> (if known)	of Cited Document	Cited Document MM-OD-YYYY	Passages or Relevant Figures Appear
		5,619,247	Russo	04-1997	
100		5,630,119	Aristides	05-13-1997	
M		5,661,516	Carles, John B.	08-1997	
2	<del>                                     </del>	5,661,516	Carles	08-1997	
1/10	<del> </del>	5,698,670	Matty	10-06-1987	
1001	<del>                                     </del>	5,724,521	· Dedrick	03-1998	
//o/_	<del>                                     </del>	5,724,525	Beyers II et al.	03-1998	
110	<del>                                     </del>	5,752,159	Fausi et al.	05-1998	<del> </del>
100	<del> </del>	5,754,393	Herz	05-1998	<u> </u>
110	<del>                                     </del>	5,758,257	Herz	05-1998	<u> </u>
NO	<del>                                     </del>	5,758,259	Lawler	05-1998	<u> </u>
Mr.	<del> </del>	5,774,170	Hite et al.	06-1998	
15	<del> </del>	5,778,182	Cathey et al.	07-07-1998	
The second	<del> </del>	5,794,210	Goldhaber et al.	08-11-1998	<del> </del>
30	<del> </del>	5,818,438	Howe	10-06-1998	
1/29	<del> </del>	5,838,314	Neel	11-1998	
9	<del> </del>	5,848,396	Gerace	12-1998	<u> </u>
110	<del> </del>	5,861,906	Dunn	01-1999	
il m	<del> </del>	5,892,508	Howe	04-06-1999	<del>                                     </del>
	<del>                                     </del>	5,892,536	Logan	04-1999	
100	<del> </del>	5,917,481	Rzeszewski	06/29/1999	
119	<del>                                     </del>	5,948,061	Merriman et al.	09-07-1999	
1/2	<del>                                     </del>	5,973,683	Cragun	10-1999	
75	1	5,983,227	Nazem	11-09-1999	
100	1	6,002,393	Hite	12-1999	
10	1	6,005,597	Barrett	12-1999	
1	<del> </del>	6,029,045	Alexander	01-2001	
120	<del> </del>	6,076,094	Cohen	06-13-2000	
191	<del> </del>	6,100,916	August	08-2000	
HM	<del>                                     </del>	6,119,098	Guyot et al.	09-2000	
The second	1	6,172,674	Etheridge	01-09-2001	
TA		6,185,614	Quomo	02-2001	
110	1	6,202,210	Ludike, Harold A.	03-2001	
N M	1	6,252,586	Freeman et al.	06-26-2001	
11 11	<del> </del>	6,282,713	Kitsukawa	08-2001	
IIN	1	6,314,568	Ochiai	11-2001	
1/1/1	1	6,314,577	Pocock	11-06-2001	
11/12		6,327,574	Kramer et al.	12-2001	
MP	1	8,345,258	Milsted et al.	05-5005	
M		6,434,747	Khọc et al.	08-2002	
1/1		6,446,261	Rosser, Roy J.	09-2002	
The		6,448,261	Rosser	09-2002	
11		6,457,010	Elderlng	09-2002	
W		6,463,468	Buch	10-2002	
11100	1	6,463,585	· Hendricks et al.	10-2002	1

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 10/017,630

Filing Date December 14, 2001

First Named Inventor Matz

Group Art Unit 3629

Examiner Name OUELLETTE, Jonathan

Attorney Docket Number BS01378

(use as many sheets as necessary)

Sheet 3 of 5 Attorney Docket Number BS01378

		U.S. PATENT DOCUM	MENTS	<u> </u>
Examinor Cite No.'	U.S. Patent Document  Kind Code <sup>2</sup> (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Unes, Where Relevan Passages or Relevant Figures Appear
AU.	6,477,704	Cremia	11-2002	
M	6,487,538	Gupta et al.	11-2002	
M	6,496,818	Ponte	12-2002	
1 Ar	6,505,348	Knowles	01-2003	
Vso	6,507,839	Ponte	01-2003	
10	. 6,510,417	Woods	01-2003	
Mor	6,631,360	Cook	10-2003	-
1/1	6,714,992	Kanojia et al.	03-2004	
1111	6,718,551	Scott R. Swix et al.	04-06-2004	
1/10	6,845,398	Kanojla et al.	01-2005	
May	6,850,988	Reed, David	02-2005	
1/10	US- 2002/0123928	Eldering et al.	09-2002	
96	US- 2002/0143647	Headings et al.	10-2002	
In	US-2002/0199197	Winter	12-2002	,
1 At	US-2003/0067554	Klarfield	04/2003	
10	App. 09/799,306	Grauch	01-06-1997	
In	App. 10/016,988	Matz	12-14-2001	
15	App. 10/017,111	Matz	12-14-2001	
me !	App. 10/017,630	Swix	12-14-2001	
11/13	App. 10/017,640	Matz	12-14-2001	
100	App. 10/017,742	Malz	12-14-2001	1
X.D	App. 10/036,677	Swix	12-21-2001	
N	App. 10/735,309	Gray	12-12-2003	
100	App. 10/037,005	Matz	12-21-2001	
1/22.	App. 10/778,345	Swix	02-17-2004	
TAI	App. 10/735,346	Gray	12-12-2003	
1101	App. 10/036,923	Matz	12-21-2001	

				FOREIGI	N PATENT DOCU	MENTS	-	
Examiner Initials*	Cite No.'	Offi ce <sup>3</sup>	Foreign Patent C Number <sup>4</sup>	Kind Code <sup>5</sup> (il known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ <sub>6</sub>
STATE OF THE PARTY			EP 0 424 6 EP 1162840 WO 99 522 WO 99 045 WO 99 457	0 A2 85A 61A	Wilson	02-02-1991 12-2001 10-14-1999 01-28-1999 09-10-1999		

Examiner	// //	15	Date	8/71/200-5
Signature	1/1/4		Considered	9-1/003

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	<del>,</del>	OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
Po		PCT Publication No. WO 94/17609 (Kiefl et al., 08-04-1994)
M		CAULEY, LESLIE, "Microsoft, Baby Bell Form Video Alliance," The Wall Street Journal, September 26, 1994
M		"allNetDevices: - Report: Interactive TV Soon to Become Direct Marketing Tool," allNetDevices, www.devices.internet.com/com_cqVprint/print.cqi?ud=http://devices/report_interactive.html, (11/16/01) pp x2.
10pg	,	"Liberate Technologies - Solutions," Digital Cable Two-Way, www.solutions.liberate.com/architecture/dc2.html, (11/16/01) p. 1 of 1
		"Liberate Technologies Solutions," Digital Broadband Telco, www.solutions.liberate.com/architecture/db.html, (11/16/01) p. 1 of 1.
		*Liberate Pechnologies - Solutions, *Liberate Connect Suite, www.solutions.liberate.com/products/connect_suite.html. (11/16/01) pp. 1-2.
		"Liberate Technologies Solutions," Liberate imprint Server TM www.solutions.liberate.com/products/imprint_server.html, (11/16/01) p. 1 of 1.
		"Liberate Technologies – Solutions, Liberate Mediacast Server <sup>TM</sup> www.solutions.liberate.com/products/mediacast_server.html, (11/16/01) pp.1-2.
		"Spike High Performance Server Avey," Mixed Signals Technologies, Inc., www.mixedsignals.com, its loomixedsignals.com (2000) p. 1.
		power, flexibility, and copirol," RespondTV, www.respondtv.com/whyrespond.html (11/16/01) pp. 1-2.
		"It just clicks!," RespondTV, www.respondtv.com/inaction.html, (11/16/01) pp2.
		"The Wink System," Wink System Diagram, www.wink.com/contents/lech_diagram.html, (11/16/01) a, 1 of 1.
,		"What is Wink)," www.wink.com/contents/whatiswink.html, (11/16/01) p. 1 of 1.
		How Wink Works, What is Wink: How wink works, www.wink.com/contents/howitworks.html. (11/16/01)

Examiner Date Signature Considered

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Filing Date	December 14, 2001	_
First Named Inventor	Matz	
Group Art Unit	3629	_
Examiner Name	OUELLETTE, Jonathan	_
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	<b>,</b>	OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	т
		"What is Wink: Examples," What is Wink - Examples, www.wink.com/contents/examples.html, (11/16/01) pp. 1-2.	
U.		"Niesen Media Research - Who We Are & What We Do," www.nielsenmedia.com/whoweare.html, (10/11/01) pp.1-4.	
•		www.actv.com, Screen Print, 10/8/2000	
		"ACTV, Inc. Offers Exclusive Preview of 'Ipdividualized Television' at Official All-Star Calé," Business Wire, Sept. 16, 1998.	
		"ACTV's HyperTV & 'Individualized Television' to be Powered by Sun Microsystems' JavaTV Technology, Susiness Wire, Apr. 21, 1999.	
		Whitaker, Jerry, "Interactive TV: Killer Ap of Technical Curiosity?", Broadcast Engineering, Dec. 1999.	
		Dickson, Gren, "Digital TV gets specifically directed," Broadcasting & Cable, June 5, 2000.	
		Reed, David, "The luture is digital," Precision Marketing, v. 13, 0.51, pg. 27, Sept. 21, 2001.	
<i></i> .			-

Examiner Signature Date Considered Considered		1/2005
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Evanler	I Ch.			DOCUMENTS	
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15		<sup>US-</sup> 5,948,061	9/7/1999	Merriman et al.	
Mu		<sup>US-</sup> 5,794,210	8/11/1998	Goldhaber et al.	<del></del>
100		US- 5,724,521	3-1998	Dedrick	
In		<sup>US-</sup> 5,892,536	4-1999	Logan	
11/		<sup>US-</sup> 5,600,364	2-1997	Hendricks	
TN.		<sup>US-</sup> 6,282,713	8-2001	Kilsukawa	
laro		<sup>US-</sup> 6,477,704	11-2002	Cremia	- · · · · · · · · · · · · · · · · · · ·
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W		<sup>US-</sup> 6,002,393	12-1999	Hite	
Dr		US- 4,912,552	3-1990	Allison	
M		<sup>US-</sup> 6,446,261	9-2002	Rosser	
115		<sup>US-</sup> 5,848,396	12-1998	Gerace	
118		<sup>US-</sup> 5,948,061	9-1999	Merriman .	
110		<sup>US-</sup> 6,100,916	8-2000	August	
1/2		US- 6,314,577	11/6/2001	Pocock	
M		<sup>US-</sup> 5,892,508	4/6/1999	Howe	
las.		<sup>US-</sup> 5,818,438	10/6/1998	Howe	
11/6		<sup>US-</sup> 6,076,094	6/13/2000	Cohen	
15		<sup>US-</sup> 6,172,674	1/9/2001	Etheridge	

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		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>8</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	74
1/0		WO 99 52285A	10/14/1999			
12		WO 99 04561A	1/28/1999			
1/10		WO 99 45702A	9/10/1999		1	П
12		EP 0 424 648A	2/2/1991			
12		EP 1162840 A2/	12-2001	Wilson.		П
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Sheet V of 107'	Attorney Docket Number	BS01378	

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17/20		US- 5,774,170	6-1998	Hite	
IN		<sup>US-</sup> 5,758,257	5-1998	Herz	
IN		<sup>US-</sup> 5,410,344	4-1995	Graves	
1/1.		<sup>US-</sup> 5,754,393	5-1998	Herz	
Id.		US- 5,838,314	11-1998	Neel	
10		<sup>US-</sup> 6,029,045	1-2001	Alexander	
IN		US- 6,463,468	10-2002	Buch	
1/9	$\Box$	<sup>US-</sup> 6.496,818	12-2002	Ponte	
100		<sup>US-</sup> 6,507,839	1-2003	Ponte	
ho		<sup>US-</sup> 6,510,417	1-2003 、	Woods	
00		<sup>US-</sup> 6,631,360	10-2003	Cook	
W		US- 4,602,279	7-1986	Freeman	
M		us- 5,446,919	8-1995	Wilkins	
1/3		<sup>US-</sup> 5,585,865	12-1996	Amano	,
IN.		<sup>US-</sup> 5,758,259	5-1998	Lawler	
N		<sup>US-</sup> 5,861,906	1-1999	Dunn	1.
1/5		<sup>US-</sup> 5,973,683	10-1999	Cragun	

		FORE	GN PATENT DOCU	MENTS		
Examiner Initials*	Cits No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> Number <sup>4</sup> Nind Code <sup>3</sup> (# known)	MM-DD-YYYY		Or Relevant Figures Appear	T
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Substitute for form 1449/PTO	Complete if Known		
	Application Number	10/017,630	
INFORMATION DISCLOSURE	Filing Date	12/14/2001	
	First Named Inventor	MATZ	
STATEMENT BY APPLICANT	Art Unit	3629	
(Use as many sheets as necassary)	Examiner Name	OUELLETTE	
neet 3 of 18	Attorney Docket Number	BS01378	

Examiner Initials*	Che No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentse or Applicant of Cited Document	Pages, Columns, Lines, Where
		Number-Kind Code <sup>2 (7 troom)</sup>	MIN-OD-1111	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
110		<sup>US-</sup> 6,005,597	12-1999	Barrett	
M		<sup>US-</sup> 6,314,568	11-2001	Ochiai	
A CO		us-6,457,010	9-2002	Eldering	
1A)		US- 2002/0143647	10-2002	Headings	
P		<sup>US-</sup> 2002/0199197	12-2002	Winter	
12)		<sup>US-</sup> 5,543,911	7-1996	Levitan	
1/2		US- 2003/0067554	4-2003	Klarfield	
11		US- 6,202,210	3-2001	Ludtke	
ورا		US- 5,630,119	5/13/1997	Aristides	<del></del>
1x		US- 5,917,481	6/29/1999	Rzeszewski	
m		<sup>US-</sup> 5,983,227	11/9/1999	Nazem	<u> </u>
Sp		<sup>US-</sup> 5,038,211	8/6/1991	Hallenbeck	
m		<sup>US-</sup> 5,559,548	9/24/1996	Davis	
W		us. 6,463,585	10/2002	Hendricks	
Ph		<sup>US-</sup> 6,505,348	1-2003	Knowles	<del>                                     </del>
100		<sup>US-</sup> 6,185,614	2/2001	Cuomo	
		US-			
		US-			
		Ú\$÷			<del> </del>

Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
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Substitute for	torm 1449A/P1	ro		Complete If Known	
			Application Number	10/017,630	
INFOR	MATION	I DISCLOSURE	Filing Date	12/14/2001	
STATE	MENT E	BY APPLICANT	First Named Inventor	MATZ	
			Group Art Unit	3629	
(U:	se as many sl	neets as nacessary)	Examiner Name	OUELLETTE	
Sheet	Ų	01 10 7	Attorney Docket Number	BS01378	

	г	U.S. Patent Document	U.S. PATENT DOCU	1	
Examiner Initials	Cite No. <sup>1</sup>	Number (if known)	Name of Patantse or Applicant of Cited Document	Oate of Publication of Cited Document MM-DD-YYYY	Pagas, Columna, Lines, Where Releva Passages or Relevant Figures Appear
YV.		US- 3,798,610	Bilss et al.	03-19-1974	
160		US- 3,886,302	Kosco	05-27-1975	
1/10		US- 4,130,833	Chomet	12-19-1978	
m		US- 4,258,386	Cheung	03-24-1981	
M		US- 4,361,851	Asip et al.	11-30-1982	
INF		US- 4,488,179	Kruger et al.	12-11-1984	
1h		US- 4,566,030	Nickerson et al.	01-21-1986	
Ins		US- 4,567,591	Gray et al.	02-28-1986	
W		US- 4,598,288	Yarbrough et al.	07-01-1986	
Mrs .		US- 4,688,248	Tomizawa	08-18-1987	
10		US- 4,689,661	Barbieri et al.	08-25-1987	
no		US- 4,897,209	Mewitt et al.	09-1987	
W		US- 4,720,873	Goodman et at.	01-19-1988	
TAS		US- 4,816,904	McKenna et al.	03-28-1989	
100		US- 4,890,322	Russell, Jr.	12-2601989	
Mar		US- 4,912,552	Alilson, III. et al.	03-27-1990	
Mh-		US- 5,010,585	Garcia	04-23-1991	
1/2		. US- 5,046,090	Walker et al.	09-03-1991	
N		US- 5,046,092	Walker et al.	09-03-1991	
IN		US-5,055,924	Skutta	10-08-1991	
IN		US- 5,173,900	Miller et al.	12-22-1992	
١١١١		US- 5,191, 645	Carlucci et al.	03-02-1993	
Mre		US- 5,208,665	McCalley et al.	05-04-1993	
1/4		US-5,247,347	Litteral et al.	09-21-1993	
THE		US-5,249,044	VenKohorn	09-28-1893	
1/25		US- 5,251,324 A	McMullan	10-1993	
W.		US- 5,287,181	Holman	02-15-1994	
TAK		US-6,335,277	Harvey et al.	08-02-94	
W.		US-5,339,315	Maeda et al.	08-16-1994	
1/1/4		US- 5,343,240	Yu	08-30-1994	
MA		US- 5,374,951	Welsh	12-20-1994	
1/20		US- 5,357,276	Banker et al.	10-18-1994	•
1/1/2		US- 5,404,393	Remillard	04-04-1994	
W		US- 5,410,328	Goldstein	04-1995	
The second		US- 5,446,919	Wilkins, Jeff K.	08-1995	
1/2		US- 5,446,490	/ Blahut et al.	08-29-1995	
7/2		US- 5_500,68/	Jones	03-1995	<del> </del>

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Substitute for form 1449A/PTO

Sheet

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete If Known				
Application Number	10/017,630			
Filing Data	12/14/2001			
First Named Inventor	MATZ			
Group Art Unit	3629			
Examiner Name	OUELLETTE			
Attorney Docket Number	BS01378			

Examiner Cite No.		U.S. Patent Document	Name of Patastas or Applicant	Date of Publication of	
	Number Kind Code <sup>2</sup> (If known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relayan Passages or Relevant Figures Appear	
120		US- 5,585,838	Lawter et al.	12-17-1996	
22		US- 5,608,448	Smoral et et.	03-04-1997	
		US- 5,619,247 A	Russo	04-1997	
100		US- 5,661,516	Carles, John B.	08-1997	
1/4		US- 5,698,670	Matty	10-06-1937	
11		US- 5,724,525	Beyers II et al.	03-1998	
M		US- 5,752,159	Faust et al.	05-1998	
120		US- 5,758,257	Herz et al.	05-1998	
MW.		US- 5,774,170	Hite et st.	06-1998	
1/20		US- 5,778,182	Cathey et al.	07-07-1998	
1/100		US- 5,818,438 B1	Howe et al.	10-06-1998	
1/25		US- 5,892,508 B1	Howe et al.	04-06-1999	
7/1/2		US- 6,015,344	Kelly at al.	01-18-2000	
111		US- 6,076,094 B1	Cohen et al.	08-13-2000	
25		US- 6,134,531	Trewit et al.	10-2000	
Mr.		US- 6,172,674 B1	Etheredge et al.	01-09-2001	
1/2/		US- 6,202,210	Ludike	03-2001	
The		US- 6,252,586 B1	Freeman et al.	06-26-2001	
7,5		US- 6,314,577 B1	Pocock	11-06-2001	
Ung		US- 6,446,261 B1	Rosser	09-2002	<u> </u>
1/10		US- 6,463,585	Hendricks et al.	10-2002	
1/1		US- 6,530,082 B1	Del Sesto et al.	03-2002	

Examiner Initials:    Cite   No.'   Foreign Patent Document   Name of Patentee   Oate of Publication of   Cited Document   Where Relevan   Passages or Relevan   Cited Document   MM-DD-YYYY   Passages or Relevan   Passage	ıt 📗
e <sup>3</sup> Number (If kinglim) Cited Document MM-DD-YYYY Figures Appear	
Wilson et al. 12-2001	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete If Known Application Number 10/017,630 Filing Date 12/14/2001 -First Named Inventor MATZ Group Art Unit 3629 Examiner Name **OUELLETTE** Altomey Docket Number BS01378

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	,	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
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N		PCT Publication No. WO 84/17609 (Kleft et al., 08-04-1994)	
1/2		CAULEY, LESUE, "Microsoft, Baby Bell Form Video Alliance," The Wall Street Journal, September 26, 1994.	
D		U.S. Application No. 2002/0032906 A1 (Grossman, 03-2002)	
/AS		U.S. Application No. 2002/0035600 A1 (Uliman et al., 03-2002)	
pe		U.S. Application No. 2002/0092019 A1 (Dwight, 07-11-2002)	
M		U.S. Application No. 2002/0123928 A1 (Eldering et al., 09-2002)	
Pp		U.S. Application No. 2002/0143847 A1 (Headings et al., 10-2002)	
N		U.S. Application No. 2003/0049967 A1 (Kinzo et al., 03-13-2003)	
N		U.S. Application No. 2003/0110497 A1 (Yassin et al., 06-2003)	
Peer	m	International Search Report to POT AUSQUA0070 A1	

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Substitute for form 1449APTO	Complete if Known		
<u> </u>	Application Number	10/017,630	
INFORMATION DISCLOSURE	Filing Oato	12/14/2001	
	First Named Inventor	MATZ	
STATEMENT BY APPLICANT	Group Art Unit	3629	
(use as many sheets as necessary)	Examiner Name	OUELLETTE	
(eas as many supers as mecassery)	Attorney Docket Number	BS01378	
Sheet 7 of VOIT			

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